

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims presented in the above-identified application.

1. (currently amended) Bioactive rhenanite glass ceramic ~~with~~ having a crystalline phase and a glass phase, ~~characterized in that~~ the crystalline phase contains rhenanite and the glass ceramic contains the following components

<u>Components</u>	<u>Amount (wt.-%)</u>
SiO ₂	29.5 to 70.0
CaO	5.5 to 23.0
Na ₂ O	6.0 to 27.5
P ₂ O ₅	2.0 to 23.5
F	0 to 1.5

and is essentially free from Al₂O₃.

2. (currently amended) Glass ceramic according to claim 1, wherein the rhenanite is present in an amount ~~which contains~~ between 4 and 50 wt.-% rhenanite.
3. (currently amended) Glass ceramic according to claim 1 ~~or 2~~, wherein the rhenanite is present in an amount ~~which contains~~ between 10 and 50 wt.-% rhenanite.
4. (currently amended) Glass ceramic according to claim 1 ~~any one of claims 1 to 3~~, which contains the following components independently of one another in the following amounts:

<u>Components</u>	<u>Amount (wt.-%)</u>
SiO ₂	29.5 to 65.5
CaO	6.0 to 23.0 (in particular 11.0 to 23.0)
Na ₂ O	7.0 to 25.5
P ₂ O ₅	3.0 to 23.5 (in particular 5.5 to 23.5)
F	0.5 to 1.2.

5. (currently amended) Glass ceramic according to claim 1 ~~any one of claims 1 to 4~~, which contains the following components independently of one another in the following amounts:

<u>Components</u>	<u>Amount (wt.-%)</u>
SiO ₂	35.0 to 60.0
CaO	15.0 to 23.0
Na ₂ O	9.0 to 25.5 (in particular 7.0 to 18.0)
P ₂ O ₅	10.0 to 23.5 (in particular 10.0 to 20.0)
F	0.5 to 1.2.

6. (currently amended) Glass ceramic according to claim 1 ~~any one of claims 1 to 5~~, in which the weight ratio of Na₂O : CaO is from 1.0 to 2.1 and the weight ratio of CaO : P₂O₅ is from 0.9 to 2.2.
7. (currently amended) Glass ceramic according to claim 1 ~~any one of claims 1 to 5~~, in which the weight ratio of Na₂O : CaO is from 0.8 to 2.0 and the weight ratio of CaO : P₂O₅ is from 0.9 to 2.2.
8. (currently amended) Glass ceramic according to claim 1 ~~any one of claims 1 to 7~~, which further additionally contains at least one of the following ~~additional~~ components:

Additional Components

<u>Components</u>	<u>Amount (wt.-%)</u>
R ^(I) ₂ O	0 to 15.0
R ^(II) O	0 to 4.0
R ^(III) ₂ O ₃	0 to 10.0
R ^(IV) O ₂	0 to 10.0, in particular up to 1.0
Hal	0 to 2.0

wherein

R^(I) represents a monovalent cation, ~~in particular K or Ag~~

R^(II) represents a divalent cation, ~~in particular Zn~~

R^(III) represents a trivalent cation, ~~in particular B, Nb, Ta, Y, La or a lanthanoid~~

R^(IV) represents a quadrivalent cation, ~~in particular Ti~~, and

Hal represents a halogenid ion, ~~in particular Br or I~~.

9. (currently amended) Glass ceramic according to claim 1 ~~any one of claims 1 to 8~~, in which the crystalline phase further ~~additionally~~ contains at least one of the following crystalline components: sodium calcium silicate, apatite, sodium phosphate, sodium calcium phosphate and sodium potassium calcium phosphate.
10. (currently amended) Glass ceramic according to claim 1 ~~any one of claims 1 to 9~~, in which the rhenanite crystals are at most 10 µm in size.
11. (currently amended) Glass ceramic according to claim 1 ~~any one of claims 1 to 10~~, in which the rhenanite crystals have an average size (numerical average) of from 0.01 to 5.0 µm.
12. (currently amended) Glass ceramic according to claim 11, in which the rhenanite crystals have an average size (numerical average) of from 0.15 to 2.5 µm, ~~in particular 0.5 to 2.5 µm~~.
13. (currently amended) Process for the production of a glass ceramic comprising ~~according to one of claims 1 to 12, in which:~~
 - a) a starting glass which contains the components of the rhenanite glass ceramic according to claim 1 ~~or 8~~ is melted at temperatures of 1200°C to 1650°C,
 - b) the glass melt from a) is cooled,
 - c) optionally the cooled glass from b) is heat treated at temperatures of 600°C to 1000°C, ~~in particular 600°C to 980°C~~, for a period of 10 minutes to up to 10 hours, ~~in particular up to 10 hours, in particular up to 8 hours~~, and
 - d) optionally the glass ceramic, which results from b) or c), is ground to a powder with a particle size of 100 nm to 100 µm, ~~in particular 1 to 50 µm~~.
14. (currently amended) Shaped body which contains a glass ceramic according to claim 1 ~~any one of claims 1 to 12~~.
15. (currently amended) Shaped body which consists of a glass ceramic according to claim 1 ~~any one of claims 1 to 12~~.

16. (currently amended) ~~Use of a glass ceramic according to any one of claims 1 to 12 or of a shaped body according to one of claims 14 or 15 as material A~~ process for the reconstruction or restoration of bones or natural tooth material, or for promoting bone growth comprising use of the glass ceramic, or a shaped body containing the glass ceramic, of claim 1.
17. (currently amended) Bioactive composite material which comprises the glass ceramic according to ~~any one of claim 1 to 12~~ and an organic compound.
18. (new) Glass ceramic according to claim 4, wherein the CaO is present in an amount of from 11.0 to 23.0 wt.-%.
19. (new) Glass ceramic according to claim 4, wherein the P₂O₅ is present in an amount of from 5.5 to 23.5 wt.-%.
20. (new) Glass ceramic according to claim 5, wherein the Na₂O is present in an amount of from 7.0 to 18.0 wt.-%.
21. (new) Glass ceramic according to claim 5, wherein the P₂O₅ is present in an amount of from 10.0 to 20.0 wt.-%.
22. (new) Glass ceramic according to claim 8, wherein the R^(IV)O₂ is present in an amount up to 1.0 wt.-%.
23. (new) Glass ceramic according to claim 8, wherein the nonvalent cation is K or Ag.
24. (new) Glass ceramic according to claim 8, wherein the divalent cation is Zn.
25. (new) Glass ceramic according to claim 8, wherein the trivalent cation is B, Nb, Ta, Y, La or a lanthanoid.
26. (new) Glass ceramic according to claim 8, wherein the quadrivalent cation is Ti.
27. (new) Glass ceramic according to claim 8, wherein the halogenid ion is Br or I.
28. (new) Glass ceramic according to claim 12, wherein the rhenanite crystals have an average size (numerical average) of from 0.5 to 2.5 µm.